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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/231,625	01/14/1999	ROBERT BEACH	612	2840

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SYMBOL TECHNOLOGIES INC
LEGAL DEPARTMENT
ONE SYMBOL PLAZA
HOLTSVILLE, NY 11742

EXAMINER

LEE, CHI HO A

ART UNIT	PAPER NUMBER
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2663

DATE MAILED: 12/26/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/231,625

Applicant(s)

BEACH ET AL

Examiner

Andrew Lee

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 October 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,8-13 and 15-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,8-13 and 15-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 8-10, 13 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fischer U.S. Patent Number 5,502,726 in view of Base et al U.S. Patent Number 6,137,797.

Re Claim 1, fig 1 of Fischer teaches hub 16 (data switching hub) connecting plurality of RF bridges 22 & 24 (access points) to the OXIWORKSTATION 12 (a central computer); fig 3 further teaches the hub 16 to include the Network address detection logic 318 to selectively provide data in accordance to the destination address (See col. 4, lines 49-63).

Fischer fails to explicitly teach the routing list correlating the source address with the port of the hub. However, Base et al teaches a means for using the source address in the packet to access another lookup table to identify the Port of Exit (POE) (See col. 8, lines 38-44). With the POE known, efficient routing of the packet can be facilitated. Furthermore, Base et al also teaches when the source address is correlated with the port of the hub, the size of the look-up table can be minimized (See col. 1, lines 55-63). One of ordinary skilled would have been motivated by Base et al to modify the network

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address logic 318 of Fischer to correlate the port with source address to facilitate efficient routing and to minimize the size of the look-up table. Therefore, it would have been obvious to one ordinary skilled incorporate the teaching of Base et al into the teaching of Fischer.

Re Claim 13, refer to Claim 1, fig 3 teaches the Hub logic 310 coupled to the transceiver ARCNET ports (a first wired data port and a plurality of wired data port) for coupling the RF bridges (access points having a wired interface coupled to the transceiver) and the mobile units, wherein Network Address Detection Logic 318 perform routing based on the destination address (See col. 10, lines 16+).

Re Claims 8 and 15, Fischer teaches the Workstation 12 connected to the Hub 14 via cable 21 for providing packet data information; the hub connected to plurality of RF bridges 20, 22, 24; the wireless units 19 associated with the selected RF bridge by a MAC address; fig 3 teaches the ARCNET ports for interconnecting the bridges to the hub 16 and the Network Address Detection Logic 318 for maintaining a routing list (See col. 14, lines 30 +).

Re Claim 9, the selected type of data differentiated by the Service identifier.

Re Claim 10, packet includes the source and destination addresses, the bridge provides relaying of the packets wherein the hub relays packets from the workstation 12.

2. Claims 11 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fischer U.S. Patent Number 5,502,726 in view of Base et al U.S. Patent Number

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6,137,797 as applied to claims 8 and 10 above and further in view of Sturniolo et al U.S. Patent Number 6,154,461.

Re Claims 11 and 12, Fischer in view of Base et al fails to explicitly teach the mobile unit updating the routing list in the switching hub. However, Sturniolo et al teaches the mobile terminal 36 configured to send a gratuitous update packet to the GATEWAY1 to immediately update the tables to achieve seamless roaming (see abstract). One of ordinary skilled would have motivated by Sturniolo et al to update the routing table to facilitate roaming of the mobile units. Therefore, it would have been obvious to one ordinary skilled to incorporate the teaching of the Sturniolo et al into the teaching of Fischer in view of Base et al.

3. Claims 16-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fischer U.S. Patent Number 5,502,726 in view of Base et al U.S. Patent Number 6,137,797 as applied to claim 13 above and further in view of Portaro et al U.S. Patent Number 5,946,617.

Re Claims 16-18, Fischer in view of Base et al fails to explicitly teach the additional wire is a multi-conductor cables arranged to provide power to the access points. However, Portaro et al teaches a method of eliminating the cost of providing power to the access points by feeding the DC power lines to each of the access points via multi-conductor cables 165. One of ordinary skilled would have been motivated by Portaro to use the multi-conductor cables to power the bridge and the access points to reduce cost. Therefore, it would have been obvious to one ordinary skilled incorporate the teaching of Portaro into the teaching of Fischer in view of Base et al.

Response to Arguments

4. Applicant's arguments filed 10/28/02 have been fully considered but they are not persuasive.

Applicant's arguments do not comply with 37 CFR 1.111(c) because they do not clearly point out the patentable novelty which he or she thinks the claims present in view of the state of the art disclosed by the references cited or the objections made. Further, they do not show how the amendments avoid such references or objections.

In this case, Applicant argues that Fischer or Bass does not teach about hardware architecture of WLANS at the MAC or PHY level that are designed to improve WLAN services. Applicant fails to explicitly point out how the hardware architecture is different between the references cited and the claimed invention.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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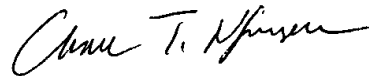
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Lee whose telephone number is 703-305-1500. The examiner can normally be reached on Monday to Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on 703-308-5340. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.



Andy Lee
December 23, 2002



CHAU NGUYEN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600